

In the Claims

1-10. (cancelled)

11. (currently amended) A pressure accumulator for dampening pulses, comprising:

an accumulator housing having a gas space and a fluid space therein and having opposite first and second inside walls, said second inside wall having an annular extension with a cylindrical guide surface inside said housing;

a piston part located and movable in said housing, having a stop at one end thereof engageable with and adjacent to said first inside wall of said housing and having a stop surface on an opposite end thereof engageable with said second inside wall of said housing, said opposite end of said piston part movable along a longitudinal axis thereof within said guide surface maintaining a radial distance and forming an annular gap therebetween;

a bellows-shaped separating element supported at one end thereof on said piston part adjacent said stop and at an opposite end thereof on said housing and separating said gas space and said fluid space in said housing with said piston part in a fluid-tight and a gas-tight manner, said separating element extending along an outer peripheral side of said piston part from said annular extension to said one end of said piston part; and

a definable volumetric portion of a working gas and a liquid fill said gas space, said liquid being an alcohol.

12. (previously presented) A pressure accumulator according to claim 11 wherein

said alcohol is ethylene glycol.

13. (previously presented) A pressure accumulator according to claim 12 wherein said housing comprises fluid connections connected to and supplying fluid pressure to said fluid space in said housing.

14. (previously presented) A pressure accumulator according to claim 13 wherein said fluid connections supply one of diesel fuel and heavy oil to said fluid space.

15. (previously presented) A pressure accumulator according to claim 14 wherein said piston part comprises a cavity facing said fluid space holding additional fluid.

16. (cancelled)

17. (cancelled)

18. (currently amended) A pressure accumulator according to claim 13 wherein said ~~piston part comprises a stop on an end thereof facing~~ faces said fluid connections that can strike an inside wall of said housing.

19. (cancelled)

20. (currently amended) A pressure accumulator according to claim 19 wherein said another second inside wall of said housing is on a cover part of said housing.

21. (previously presented) A pressure accumulator according to claim 11 wherein said separating element is a metal bellows with a plurality of individual folds located on top of one another.

22. (previously presented) A pressure accumulator according to claim 13 wherein said fluid connections extend in a pipe union of said housing and discharge into a common antechamber within said pipe union.

23. (currently amended) A pressure accumulator according to claim 17 wherein ~~said piston part borders an annular gap forming said radial distance along said portion of said movement path, said annular gap conveying conveys~~ said working gas and said liquid to flow to an inside of said separating element.

24. (new) A pressure accumulator according to claim 11 wherein said piston part comprises a cylindrical wall extending between said stop and said stop surface and extending along an inner surface of said separating element.